at1110paper__practice__test (v33)

1. Expand the following expression into standard form.

$$(3x + 7)(5x - 2)$$

2. Solve the equation.
$$(8x - 7)(4x - 5) \ = \ 0$$

3. Expand the following expression into standard form.

$$(8x + 9)(8x - 9)$$

4. Expand the following expression into standard form.

$$(2x - 3)^2$$

5. Factor the expression.
$$x^2 - 2x - 24$$

6. Factor the expression.
$$81x^2 - 49$$

7. Solve the equation with factoring by grouping.
$$10x^2 - 15x + 8x - 12 = 0$$

8. Solve the equation.
$$10x^2 - 24x + 30 = 5x^2 + 3x + 2$$